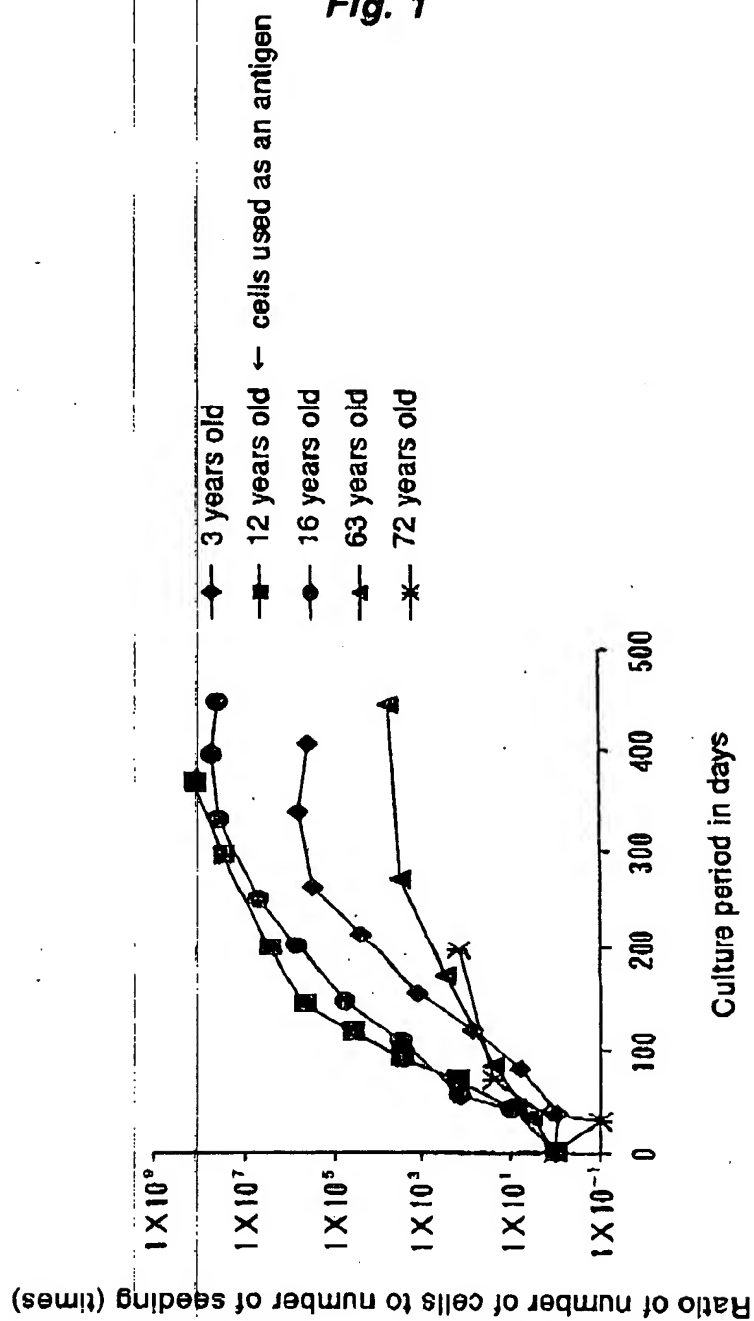


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Fig. 1



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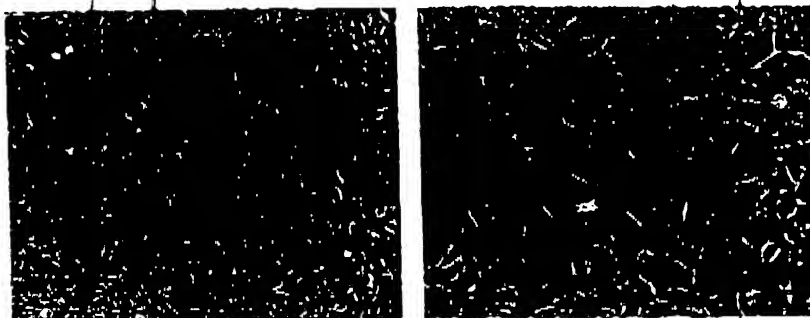
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**Fig. 2**

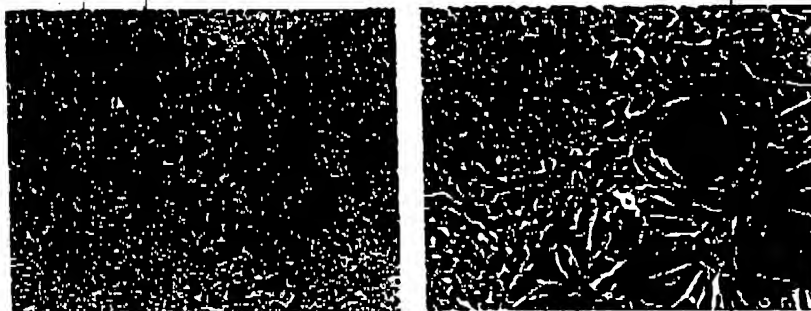
Human hepatocytes (12 years old) used as an antigen  
to prepare a monoclonal antibody

Primary culture

At 30 days

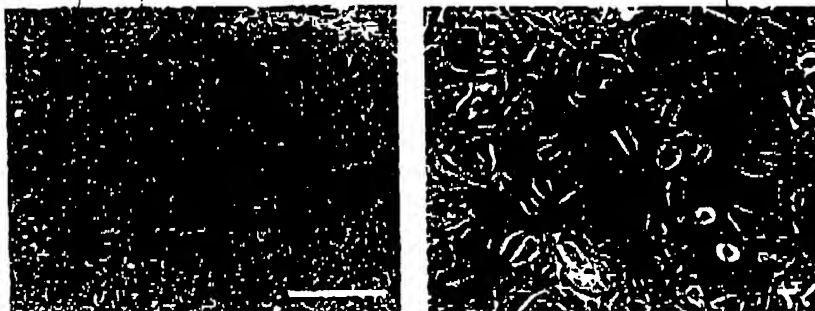


At 43 days



Subculture (3 passages) → immunizing mice

After 33 days



Bar, 100  $\mu$ m

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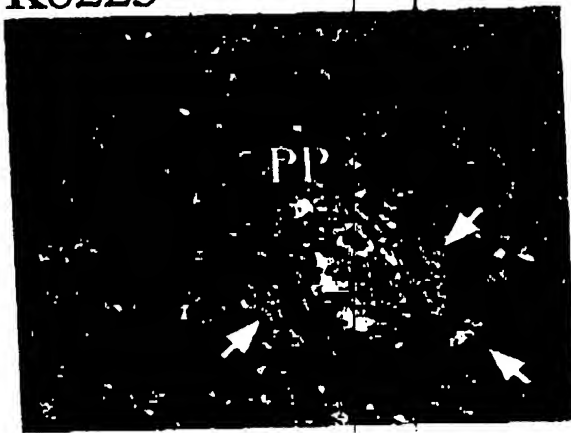
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**Fig.3**

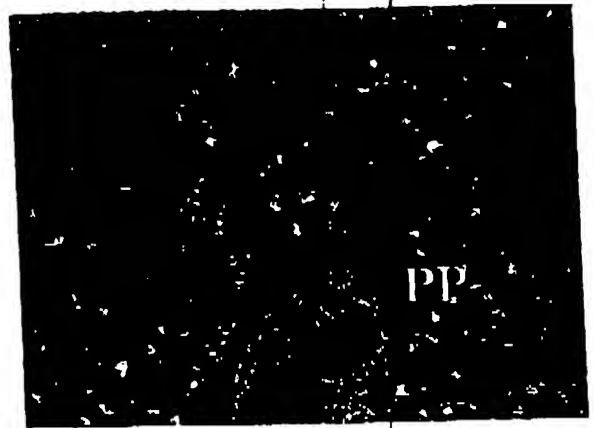
Human tissue (62 years old)

Hybridoma culture supernatant (K8223)

**K8223**



No primary antibody



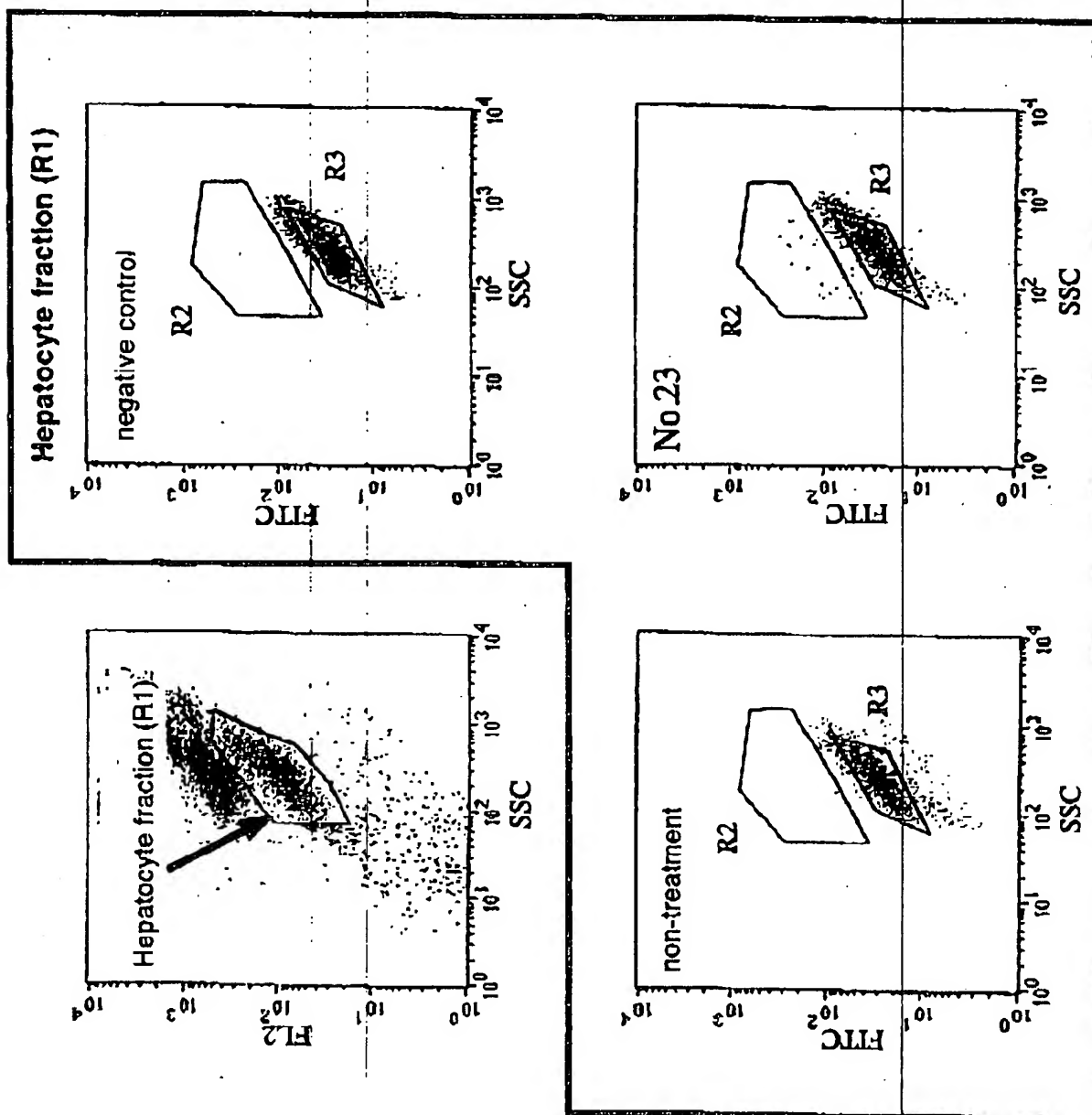
Bar, 50  $\mu$ m

PP: Portal region

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Fig. 4



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Hybridoma culture supernatant: No.23  
Isolated human hepatocytes (49 years old)

At day 1 in culture



Before sorting

At day 8 in culture



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*Fig. 5*

Bar, 100  $\mu$ m

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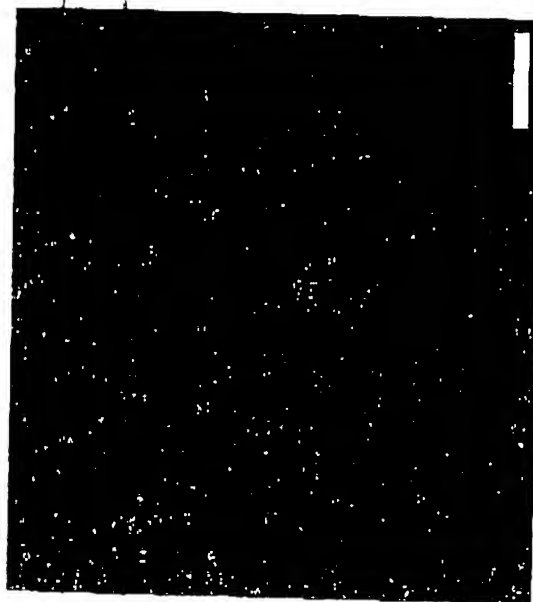
Fig. 5/1

At day 8 in culture



Bar, 100  $\mu$ m

At day 1 in culture



R2 fraction

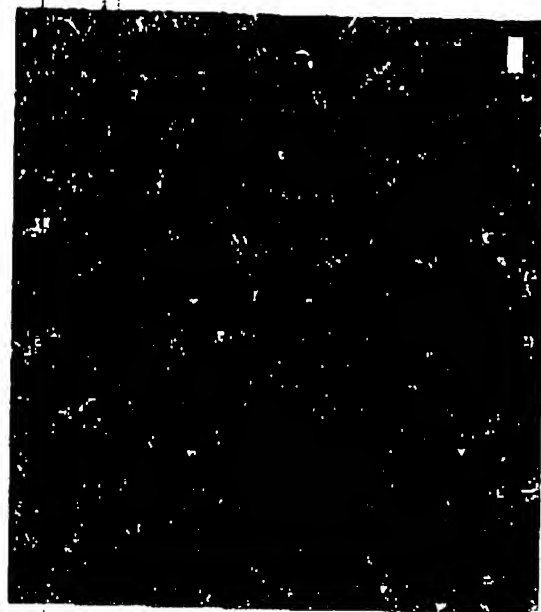
Hybridoma culture supernatant: No.23  
Isolated human hepatocytes (49 years old)

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Fig. 5/2

At day 8 in culture



Bar, 100  $\mu$ m

At day 1 in culture



R3 fraction

Hybridoma culture supernatant: No.23  
Isolated human hepatocytes (49 yeas old)

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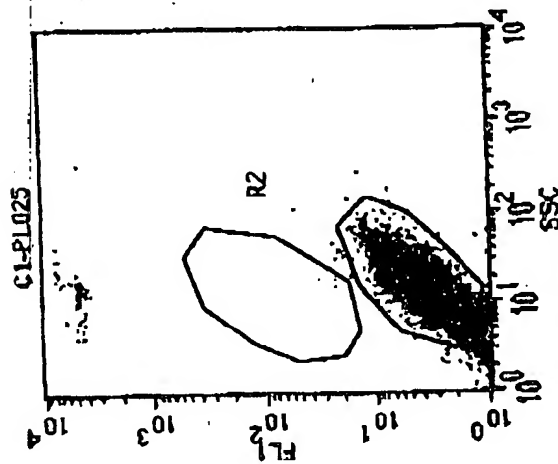
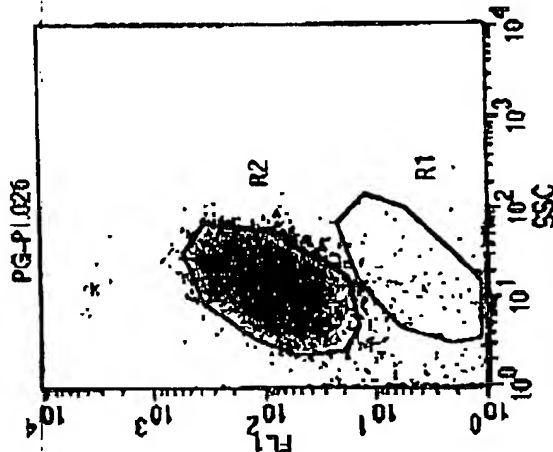
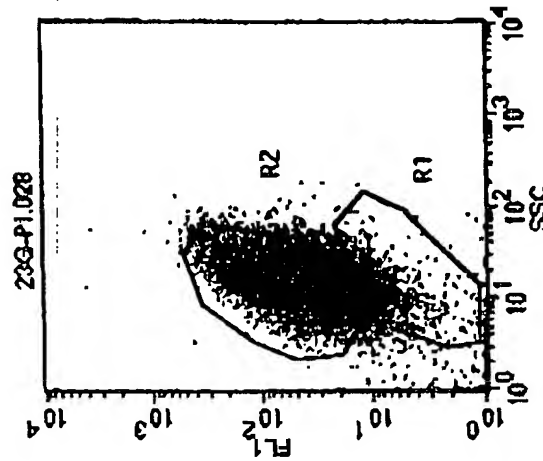
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Fig. 6

No. 23 (IgG)

Positive control  
(Immunized mouse serum)

Negative control



Total Events: 10000

Region	Events	% Gated
R1	694	6.94
R2	7921	79.21

Total Events: 10000

Region	Events	% Gated
R1	75	0.75
R2	9415	94.15

Cultured human hepatocytes  
(12 years old, male, 5 passages of subculture)



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**Fig. 7**

Spheroid formation of cultured hepatocytes on MATRIGEL

Monolayer culture



Culture after 1 day

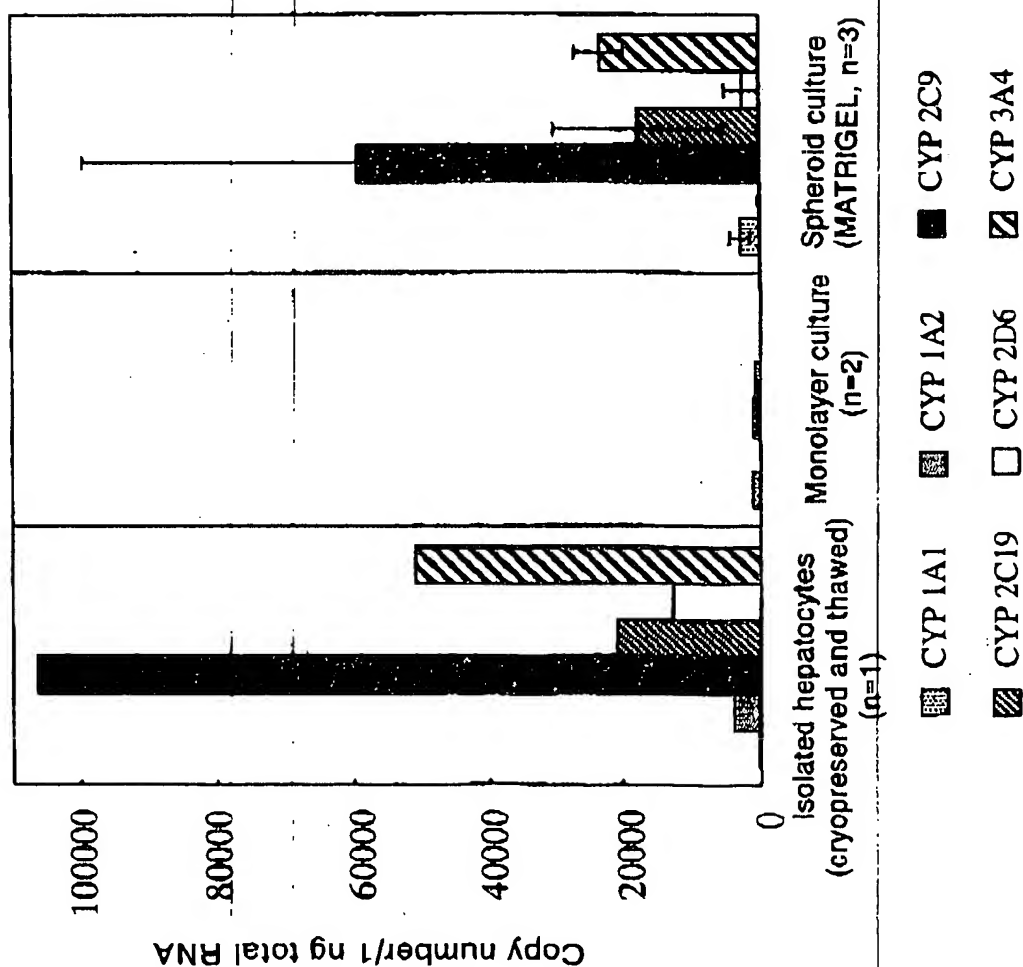
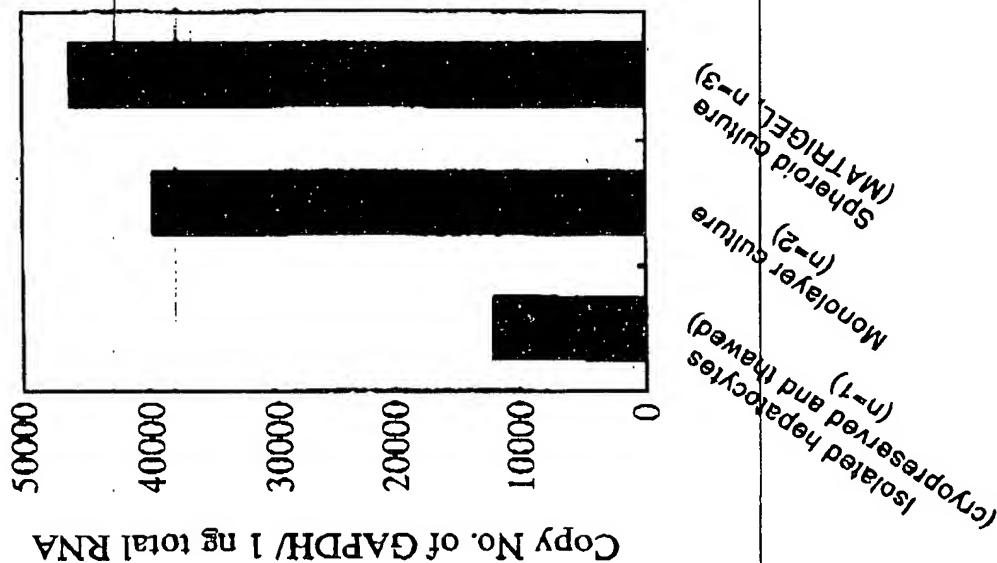


Culture after 7 days

100  $\mu$ m

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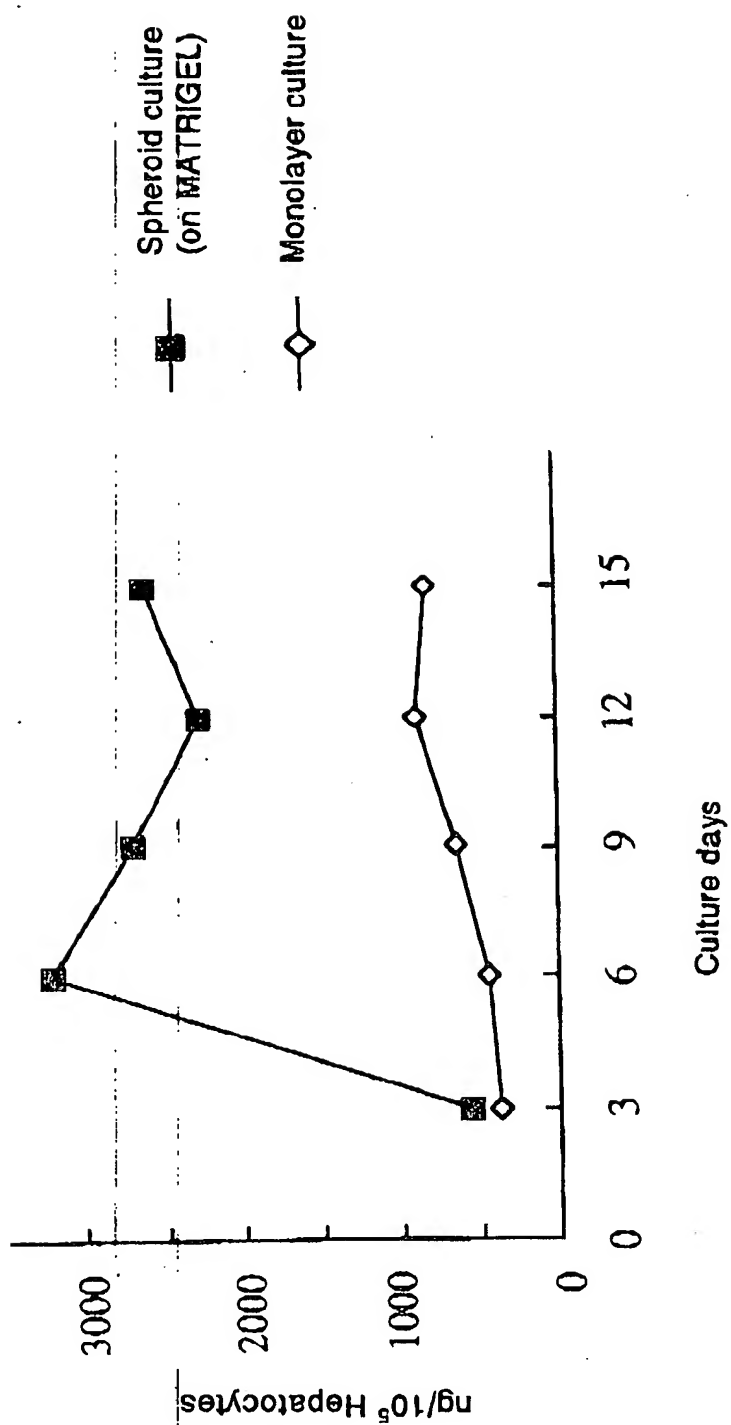
8/10  
Fig. 8



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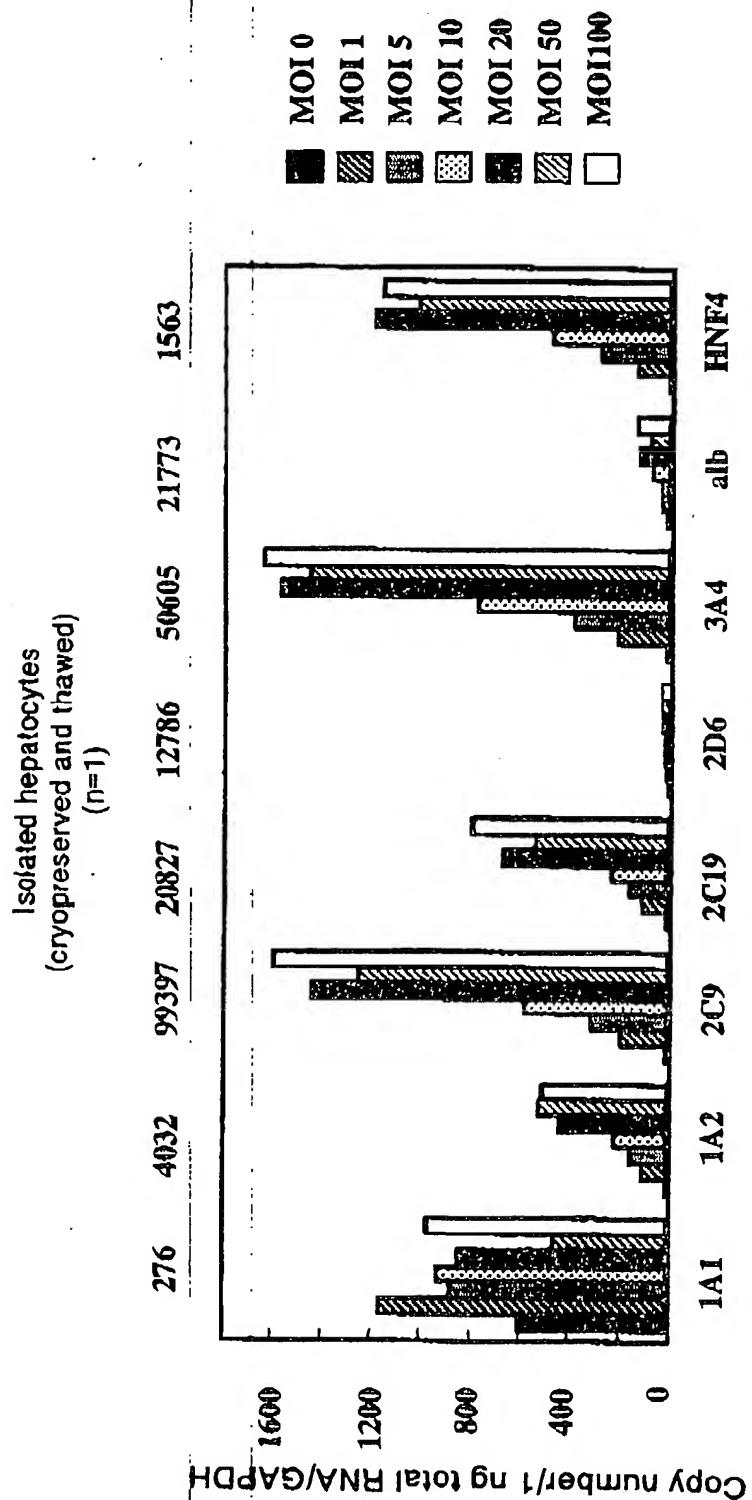
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Fig. 9



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**Fig. 10**



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